hita agarah taut		
hits search text	databases	date/time
2 (("6005649") or ("5663596")).PN.	USPAT; US-PGPUB; IBM_TDB	1/5/03 21:42
343 mem near2 mirror	USPAT; US-PGPUB; IBM_TDB	1/5/03 17:59
15 mem near2 (mov\$4 adj mirror)	USPAT; US-PGPUB; IBM_TDB	1/5/03 18:01
mem near2 ((mov\$4 or tilt\$4 or rotat\$4) adj mirror)	_	
9 same (fabricat\$4 or manufactur\$4)	USPAT; US-PGPUB; IBM_TDB	1/5/03 18:48
2 ("6091050" "6201284").PN.	USPAT	1/5/03 18:05
3 6091050.URPN.	USPAT	1/5/03 18:06
("4556050" "4736629" "5058856" "5140155"		
"5295206" "5475318" "5536963" "5626779"		
12 "5635750" "5659195" "5796152" "5810325").PN	. USPAT	1/5/03 18:06
("5058856" "5536963" "5635750"		170700 10.00
4 "5659195").PN.	USPAT	.1/5/03 18:09
1 ("6275326").PN.	USPAT; US-PGPUB; IBM TDB	1/5/03 18:59
("4560925" "4738500" "5283682" "5392151"	, = = = = = = = = = = = = = = = = = = =	170700 10.00
6 "5408253" "6108118").PN.	USPAT	1/5/03 18:48
3 ("4560925" "5243241" "5280377").PN.	USPAT	1/5/03 18:49
0 6275326.URPN.	USPAT	1/5/03 18:49
3 ("4560925" "5243241" "5280377").PN.	USPAT	1/5/03 18:54
1 6108118.URPN.	USPAT	1/5/03 18:54
655 (bridge or spring) same photolithograph\$3	USPAT; US-PGPUB; IBM_TDB	1/5/03 19:01
96 15 and mirror	USPAT; US-PGPUB; IBM TDB	1/5/03 19:01
42 16 and etch	USPAT; US-PGPUB; IBM_TDB	1/5/03 21:42
("Re31459" "4144516" "4441366" "4597003"		173/03 21.42
7 "4873868" "4926689" "4955233").PN.	USPAT	1/5/02 10:02
(("6005649") or ("6108118") or ("5663596") or	301711	1/5/03 19:03
4 ("6275326")).PN.	USPAT; US-PGPUB; IBM_TDB	4/5/00 04:40
2 (("6400550") or ("6367252")).PN.	USPAT; US-PGPUB; IBM_TDB	1/5/03 21:42
16428 (micro adj electri\$4 adj mechanic) or MEM	USPAT; US-PGPUB; IBM_TDB	12/18/02 17:01
16428 (micro\$2electri\$4mechanic) or MEM	USPAT; US-PGPUB; IBM_TDB	12/19/02 12:49
263153 mirror	USPAT; US-PGPUB; IBM_TDB	12/19/02 12:47
32839 tile\$2	USPAT; US-PGPUB; IBM_TDB	12/19/02 12:47
(micro adj electri\$4 adj mechanic) or MEM or	OSPAT, OS-PGPOB, IBIVI_TDB	12/19/02 12:47
16428 (micro\$2electri\$4mechanic)	LISBAT: US DODUB, IDM TOD	40/40/00 44 45
7795 optic\$3 adj switch	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:17
5741 solder adj bump	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:01
or it solder day burnp	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:02
mirror and tile\$2 and ((micro adj electri\$4 adj		
mechanic) or MEM or (micro\$2electri\$4mechanic))		
5 and (optic\$3 adj switch) and (solder adj bump)	HCDAT, HC DODIED IDM TOD	
1073 (micro adj mirror) or micro-mirror	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:07
roro (micro daj mirror) or micro-mirror	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:08
((micro adj electri\$4 adj mechanic) or MEM or		
(micro\$2electri\$4mechanic)) and (solder adj bump)		
	HEDAT: HE BODY IS	
((micro adj electri\$4 adj mechanic) or MEM or	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:09
(micro\$2electri\$4mechanic) or MEIVI or		
(micro\$2electri\$4mechanic)) and (solder adj bump) 11 and ((micro adj mirror) or micro-mirror)	LICEAT. LIC DODGE	
and ((more day mirror) or micro-mirror)	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:14

62792	modular ((micro adj electri\$4 adj mechanic) or MEM) and ((micro adj electri\$4 adj mechanic) or MEM or	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:14
16428	(micro\$2electri\$4mechanic)) modular and ((micro adj electri\$4 adj mechanic) or	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:14
760	MEM or (micro\$2electri\$4mechanic)) (modular and ((micro adj electri\$4 adj mechanic) or MEM or (micro\$2electri\$4mechanic))) and (optic\$3	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:15
51	adj switch)	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:15
	((modular and ((micro adj electri\$4 adj mechanic) of MEM or (micro\$2electri\$4mechanic))) and (optic\$3		
	adj switch)) and ((micro adj mirror) or micro-mirror) ((micro adj electri\$4 adj mechanic) or MEM or	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:19
	(micro\$2electri\$4mechanic)) adj mirror adj array ("5761352" "6005694" "6023359" "6052222" "6222653" "6243178" "6253000" "6292281"	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:40
10	"6317529" "6320995").PN. ("5761352" "6005694" "6023359" "6052222" "6222653" "6243178" "6253000" "6292281"	USPAT	12/19/02 13:28
10	"6317529" "6320995").PN. MEM near3 architecture	USPAT USPAT, US-PGPUB, IBM TDB	12/19/02 13:31
704	packag\$3 adj array\$2 (MEM near3 architecture) and (packag\$3 adj	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:45 12/19/02 13:47
	array\$2)	USPAT; US-PGPUB; IBM_TDB	12/19/02 13:47
ا 27	(packag\$3 adj array\$2) and ((micro adj electri\$4 adj mechanic) or MEM or (micro\$2electri\$4mechanic)) 6251488.URPN.	USPAT; US-PGPUB; IBM_TDB USPAT	12/19/02 14:05 12/19/02 13:52
. "	"4269868" "4323756" "4947463" "5043548" '5182430" "5208431" "5378508" "5449536"		
12 "	'5486676" "5607730" "5612099" "5733609").PN	USPAT	12/19/02 13:52
	optical adj cross adj connect\$4	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:06
	ile\$3 adj mirror adj module nirror adj module	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:11
	array\$3 adj mirror adj module	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:11
	mayoo aaj minor aaj module	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:12
(mirror adj module) and ((micro adj electri\$4 adj		
3 n	nechanic) or MEM or (micro\$2electri\$4mechanic))	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:14
	361/728.ccls.	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:14
1 (1	mirror adj module) and 361/728.ccls.	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:14
	61/728.ccls. and mems	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:14
	61/728.ccls. and mem	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:15
2466 8	359/ 291, 310, 299, 230, 196, 198, 528, 847, 849, 50, 851).CCLS.	HEDAT: HE DODUB IDEA TOO	40440405
	optical adj cross adj connect\$4) and ((359/ 291,	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:16
3	10, 299, 230, 196, 198, 528, 847, 849, 850,		
19 "8	3540 00101	USPAT; US-PGPUB; IBM_TDB	12/19/02 14:17

((optical adj cross adj connect\$4) and ((359/ 291, 310, 299, 230, 196, 198, 528, 847, 849, 850, "851").CCLS.)) and ((micro adj electri\$4 adj inechanic) or MEM or (micro \$2electr\$4 mechanic) (micro \$2electr\$4 mechanic) ("4560925" "4738500" "5283682" "5392151" 6 "5408253" "6108118").PN. 1290 modul\$3 adj array) same MEM 1290 modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate) and yield 42 ((modul\$3 adj array) same substrate) and yield (((modul\$3 adj array) same substrate) and yield 0 and MEM 8 (((modul\$3 adj array) and yield) and MEM 353 tile\$3 adj array) and yield and MEM ((micro \$2electr\$4 mechanic) or MEM or (micro \$2electr\$4 mechanic) or MEM or (micro \$2electr\$4 mechanic) adj module (((micro\$2electr\$4 mechanic)) adj module (((micro\$2electr\$4 mechanic)) adj module (("0557132" "3244947" "3259814" "3274458" "3316465" "548965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "53252655" "6475280" "5627396").PN. 20 "5046161" "53252656" "6475280" "6627396").PN. 21 ((mem adj switch) adj array) same modul\$3 22 (("0507132" "3244947" "3259814" "3274458" "3316465" "53295265" "4449580" "4511873" "5526509" "56627396").PN. 23 (("4170731" "4503837" "4548965" "6627396").PN. 24 ((mem adj switch) adj array) same modul\$3 25 ("4170731" "4503883" "4844577" "5119448" "5129794" "5148506" "5226099" "5692089" "5129794" "5148506" "5129794" "5148506" "5226099" "5692089" "5129794" "5148506" "5226099" "5692089" "5129794" "5148506" "5226099" "5692089" "5129794" "514506" "5129794" "5148506" "5226099" "5692089" "5892089" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506" "5129794" "514506"
"\$51").CCLS.)) and ((micro adj electr\()4 adj are mechanic) or MEM or (micro\()2 electr\()4 mechanic) or MEM or (micro\()2 electr\()4 mechanic) or MEM or ("4560925" "4738500" "5283682" "5392151" ("5490253" "6108118").PN. 7 (modu\()3 adj array) same MEM 12190 modu\()3 adj array) same substrate 289 (modu\()3 adj array) same substrate 289 (modu\()3 adj array) and yield 42 ((modu\()3 adj array) same substrate) 353 tile\()3 adj array) same substrate) and yield 0 and MEM 8 ((modu\()3 adj array) same substrate) and yield 1353 tile\()3 adj array) and yield and MEM 1574 (tile\()3 adj array) and yield and MEM 16431 (micro\()3 adj array) and yield and MEM 16431 (micro\()3 adj array) and MEM 1755 (micro\()3 adj array) and MEM 1854 (micro\()3 adj array) and MEM 1854 (micro\()3 adj array) and MEM 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()3 adj array) and mechanic) or MEM or 1855 (micro\()4 adj mechanic) o
13 mechanic) or MEM or (micro\$2electr\$4mechanic) (micro adj electr\$4 adj mechanic) or MEM or ("4560925" "4738500" "5283682" "5392151" 6 "5408253" "6108118").PN. 7 (modul\$3 adj array) same MEM 1290 modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 42 ((modul\$3 adj array) same substrate) and yield 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM 353 tile\$3 adj array) and yield) and MEM (micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module (("0557132" "3244947" "3259951" "4895508" 20 "5046161" "5325265" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. ("0me adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448" USPAT; US-PGPUB; IBM_TDB 12/19/02 14:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT US-PGPUB; IBM_TDB 12/19/02 15:21
(micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) ("4560925" "4738500" "5283682" "5392151" 6 "5408253" "6108118").PN. 7 (modul\$3 adj array) same MEM USPAT; US-PGPUB; IBM_TDB 12/19/02 14:24 1290 modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 361 ((modul\$3 adj array) same substrate) and yield 371 ((modul\$3 adj array) same substrate) and yield 372 ((modul\$3 adj array) same substrate) and yield 373 ((imodul\$3 adj array) and yield 374 (imodul\$3 adj array) and yield 374 (imodul\$3 adj array) and MEM 375 (imodul\$4 (imodul\$3 adj array) and MEM 375 (imodul\$4 (imodul\$3 adj array) and MEM 375 (imodul\$4 (imodul\$3 adj array) and imodul\$4 (imodul\$4 (imodul\$3 adj array) and imodul\$4 (imodul\$4
("4560925" "4738500" "5283682" "5392151" 6 "5408253" "6108118").PN. 7 (modul\$3 adj array) same MEM 1290 modul\$3 adj array) same substrate 1298 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 42 ((modul\$3 adj array) same substrate) and yield (((modul\$3 adj array) same substrate) and yield 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM 8 ((modul\$3 adj array) and yield) and MEM 17 (tile\$3 adj array) and yield) and MEM 18 ((micro adj electr\$4 adj mechanic) or MEM or 18 ((micro\$2electr\$4mechanic) adj module ((micro\$2electr\$4mechanic) adj module ((micro\$2electr\$4 adj mechanic) or MEM or 19 (micro\$2electr\$4 adj mechanic) adj module ((micro\$2electr\$4mechanic) adj module ((micro\$2electr\$4 adj mechanic) or MEM or 10 (micro\$2electr\$4 adj mechanic) or MEM or 11 (micro\$2electr\$4 adj mechanic) or MEM or 12 (micro\$2electr\$4 adj mechanic) or MEM or 13 (micro\$2electr\$4 adj mechanic) adj module ((micro\$2electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4 adj mechanic) or MEM or 15 (micro\$2electr\$4 adj mechanic) or MEM or 16 (micro\$2electr\$4 adj mechanic) or MEM or 16 (micro\$2electr\$4 adj mechanic) or MEM or 17 (micro\$2electr\$4 adj mechanic) or MEM or 18 (micro\$2electr\$4 adj mechanic) or MEM or 19 (micro\$2electr\$4 adj mechanic) or MEM or 10 (micro\$2electr\$4 adj mechanic) or MEM or 10 (micro\$2electr\$4 adj mechanic) or MEM or 11 (micro\$2electr\$4 adj mechanic) or MEM or 12 (micro\$2electr\$4 adj mechanic) or MEM or 13 (micro\$2electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4 adj mechanic) or MEM or 15 (micro\$2electr\$4 adj mechanic) or MEM or 16 (micro\$2electr\$4 adj mechanic) or MEM or 17 (micro\$2electr\$4 adj mechanic) or MEM or 18 (micro\$2electr\$4 adj mechanic) or MEM or 19 (micro\$2electr\$4 adj mechanic) or MEM or 10 (micro\$2electr\$4 adj mechanic) or MEM or 10 (micro\$2electr\$4 adj mechanic) or MeM or 10 (micro\$2electr\$4 ad
6 "5408253" "6108118").PN. 7 (modul\$3 adj array) same MEM 1290 modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 289 (modul\$3 adj array) same substrate 380 ((modul\$3 adj array) same substrate) 42 ((modul\$3 adj array) same substrate) 42 ((modul\$3 adj array) same substrate) 43 ((modul\$3 adj array) same substrate) 44 ((modul\$3 adj array) same substrate) 45 ((modul\$3 adj array) same substrate) 46 ((modul\$3 adj array) same substrate) 47 (tile\$3 adj array) and yield) 48 ((modul\$3 adj array) and mEM 49 ((modul\$3 adj array) and meM 40 ((modul\$3 adj array) and meM 41 (micro adj electr\$4 adj mechanic) or MEM or 41 (micro\$2electr\$4 adj mechanic) or MEM or 42 ("0557132" "3244947" "3259814" "3274458" 43316465" "3489965" "3916080" "3959577" 453939123" "4168480" "4257905" "4449580" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4897508" 4511873" "4563697" "4565901" "4497508" 4511873" "4563697" "45675280" "5627396").PN. 4511873" "4563697" "4565901" "4565901" "4597508" 4511873" "4563697" "4565901" "4565901" "4597508" 4511873" "4563697" "4565901" "4597508" 4511873" "4563697" "4565
7 (modul\$3 adj array) same MEM 12/19/02 14:24 1290 modul\$3 adj array) same substrate 1289 (modul\$3 adj array) same substrate) and yield 1289 (modul\$3 adj array) same substrate) and yield 1289 (modul\$3 adj array) same substrate) and yield 1289 (modul\$3 adj array) and yield and MEM 1289 (modul\$3 adj array) and yield and MEM 1289 (modul\$3 adj array) and yield and MEM 1289 (modul\$3 adj array) and MEM 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 adj array) and yield uspAT; US-PGPUB; IBM_TDB 1289 (modul\$3 (micro \$2244947" "325444478" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4565901" "4897508" "45046161" "5325265" "5475280" "5627396").PN. 1289 (modul\$3 (micro \$2249478 "3259687" "5475280" "3959577" "3993123" "4168480" "4257905" "449580" "4565901" "4897508" "45046161" "5325265" "5475280" "5627396").PN. 1289 (modul\$3 (micro \$4 adj mechanic) or MEM or UspAT (micro \$4 adj mechanic) or MEM or UspAT (micro \$4 adj mechanic) or MEM o
1290 modul\$3 adj array same MEM
1290 modul\$3 adj array) same substrate 289 (modul\$3 adj array) and yield 42 ((modul\$3 adj array) same substrate) and yield (((modul\$3 adj array) same substrate) and yield 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM 8 ((modul\$3 adj array) and yield) and MEM 1353 tile\$3 adj array) and yield) and MEM 13643 ((micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. ("05677396.URPN. 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448" USPAT; US-PGPUB; IBM_TDB 12/19/02 14:36 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT USP
289 (modul\$3 adj array) and yield 42 ((modul\$3 adj array) same substrate) and yield (((modul\$3 adj array) same substrate) and yield) 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM 8 ((modul\$3 adj array) and yield) and MEM USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:35 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:35 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:36 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:27 USPAT 12/19/02 15:27 USPAT 12/19/02 15:27 12/19/02 15:27 12/19/02 15:25
42 ((modul\$3 adj array) same substrate) and yield (((modul\$3 adj array) same substrate) and yield) 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM Stile\$3 adj array) and yield) and MEM USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:39 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:30 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 12/19/02 15:25
(((modul\$3 adj array) same substrate) and yield) 0 and MEM 8 ((modul\$3 adj array) and yield) and MEM State 3 adj array) and yield) and MEM USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:37 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:48 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:48 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:59 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:59 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:59 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT 12/19/02 15:21 USPAT USPAT; US-PGPUB; IBM_TDB 12/19/02 15:27 12/19/02 15:29 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB
0 and MEM 8 ((modul\$3 adj array) and yield) and MEM 8 ((modul\$3 adj array) and yield) and MEM USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 17 (tile\$3 adj array) and MEM (micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ((micro adj electr\$4 adj mechanic)) adj module ((micro adj electr\$4 adj mechanic)) adj module ((micro\$2electr\$4mechanic)) adj module ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT USPAT; US-PGPUB; IBM_TDB 12/19/02 14:38 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:39 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:39 USPAT; US-PGPUB; IBM_TDB 12/19/02 14:39 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:21 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:25
8 ((modul\$3 adj array) and yield) and MEM 353 tile\$3 adj array) and yield) and MEM 353 tile\$3 adj array) and MEM (micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. 18 5627396.URPN. 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448" USPAT; US-PGPUB; IBM_TDB 12/19/02 14:31 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:37 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:37 12/19/02 14:38 12/19/02 14:37 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 14:38 12/19/02 15:27 12/19/02 15:27 12/19/02 15:25
353 tile\$3 adj array 17 (tile\$3 adj array) and MEM (micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "5325265" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. 20 "5046161" "5325265" "5475280" "5627396").PN. 20 "5046161" "5325265" "5475280" "5627396").PN. 21 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448"
17 (tile\$3 adj array) and MEM (micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4 mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4 mechanic)) adj module (("0557132" "3244947" "3259814" "3274458" "3393123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" "3993123" "3244947" "3259814" "3274458" "3316465" "33489965" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3274458" "3316465" "3489965" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3
(micro adj electr\$4 adj mechanic) or MEM or 16431 (micro\$2electr\$4mechanic) adj module
16431 (micro\$2electr\$4mechanic) adj module ((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module USPAT; US-PGPUB; IBM_TDB 12/19/02 14:59 ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:21 ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. USPAT USPAT 12/19/02 15:29 12/19/02 15:29 12/19/02 15:29 12/19/02 15:35 ("4170731" "4630883" "4844577" "5119448"
((micro adj electr\$4 adj mechanic) or MEM or 14 (micro\$2electr\$4mechanic)) adj module USPAT; US-PGPUB; IBM_TDB 12/19/02 14:59 ("0557132" "3244947" "3259814" "3274458"
14 (micro\$2electr\$4mechanic)) adj module USPAT; US-PGPUB; IBM_TDB 12/19/02 14:59 ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. 18 5627396.URPN. 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448"
("0557132" "3244947" "3259814" "3274458"
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"3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. USPAT USPAT USPAT; US-PGPUB; IBM_TDB ("4170731" "4630883" "4844577" "5119448"
"3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448"
"4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT ("0557132" "3244947" "3259814" "3274458"
20 "5046161" "5325265" "5475280" "5627396").PN. USPAT ("0557132" "3244947" "3259814" "3274458" "3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. USPAT 12/19/02 15:29 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448"
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"3316465" "3489965" "3916080" "3959577" "3993123" "4168480" "4257905" "4449580" "4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 18 5627396.URPN. 12/19/02 15:29 1 ((mem adj switch) adj array) same modul\$3 ("4170731" "4630883" "4844577" "5119448"
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"4511873" "4563697" "4565901" "4897508" 20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. USPAT 12/19/02 15:29 1 ((mem adj switch) adj array) same modul\$3 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:35 ("4170731" "4630883" "4844577" "5119448"
20 "5046161" "5325265" "5475280" "5627396").PN. USPAT 12/19/02 15:27 18 5627396.URPN. USPAT 12/19/02 15:29 1 ((mem adj switch) adj array) same modul\$3 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:35 ("4170731" "4630883" "4844577" "5119448"
18 5627396.URPN. USPAT 12/19/02 15:29 1 ((mem adj switch) adj array) same modul\$3 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:35 ("4170731" "4630883" "4844577" "5119448"
1 ((mem adj switch) adj array) same modul\$3 USPAT; US-PGPUB; IBM_TDB 12/19/02 15:35 ("4170731" "4630883" "4844577" "5119448"
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"5129794" "5148506" "5226099" "5692089"
0.10.00 01.0000 0220000 0002000
"5742712" "5867617" "5925898" "5995688"
14 "6038928" "6195478").PN. USPAT 12/19/02 15:34
276 (modul\$3 adj array) and matrix USPAT; US-PGPUB; IBM_TDB 12/19/02 15:36
91 ((modul\$3 adj array) and matrix) and yield USPAT: US-PGPUB: IBM TDB 12/19/02 15:39
3 ("4988157" "5699462" "5960131").PN. USPAT 12/19/02 15:39
22636 385/\$.ccls. USPAT; US-PGPUB; IBM_TDB 12/19/02 15:52
33 4652974.URPN. USPAT 12/19/02 15:45
71 tile\$2 adj matrix USPAT; US-PGPUB; IBM_TDB 12/19/02 15:54
0 (tile\$2 adj matrix) and MEM USPAT: US-PGPUB: IBM TDB 12/19/02 15:57
36 (solder adj bump) and (MEM same modul\$3) USPAT; US-PGPUB: IBM_TDB 12/19/02 16:31
0 (micro-mirror adj fabrication).ti. USPAT: US-PGPUB: IBM_TDB 12/19/02 16:32
((micro-mirror or MEM) adj (manufact\$4 or
0 fabricat\$4)).ti. USPAT; US-PGPUB; IBM_TDB 12/19/02 16:32

	((micro-mirror or MEM) adj (manufact\$4 or		
278	fabricat\$4))	USPAT; US-PGPUB; IBM_TDB	12/19/02 16:33
2	silicon adj on adj insulat\$4	USPAT; US-PGPUB; IBM_TDB	12/19/02 16:34
24959	silicon near2 insulat\$4	USPAT; US-PGPUB; IBM TDB	12/19/02 16:35
	(((micro-mirror or MEM) adj (manufact\$4 or	_	
54	fabricat\$4))) and (silicon near2 insulat\$4)	USPAT; US-PGPUB; IBM_TDB	12/19/02 16:38
4363	silicon-on-insulator	USPAT; US-PGPUB; IBM_TDB	12/19/02 16:39
	(((micro-mirror or MEM) adj (manufact\$4 or	· -	
	fabricat\$4))) and silicon-on-insulator	USPAT; US-PGPUB; IBM_TDB	12/19/02 16:39
	. (("6275326") or ("5663596")).PN.	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:16
7	5663596.URPN.	USPAT	12/20/02 11:07
	("5369057" "5585675" "5663596" "5721162"		
7	"5831162" "5907187" "6087203").PN.	USPAT	12/20/02 11:10
	("5369057" "5585675" "5663596" "5721162"		
. 7	"5831162" "5907187" "6087203").PN.	USPAT	12/20/02 11:14
	("4560925" "4738500" "5283682" "5392151"		
	"5408253" "6108118").PN.	USPAT	12/20/02 11:15
	micromirror adj fabricat\$3	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:18
	micromirror adj array	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:40
	(micromirror adj array) near2 module	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:17
	micro\$2mirror adj fabricat\$3	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:18
6	(micromirror adj array) same module	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:22
	("4433236" "4695718" "4755725" "4853529"		
	"4872057" "4882481" "5049995" "5146077"		
40	"5153424" "5248874" "5336881" "5408087"		
	"5729010").PN.	USPAT	12/20/02 11:21
	multi adj chip adj module	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:23
	(multi adj chip adj module) and tile\$2	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:23
	((multi adj chip adj module) and tile\$2) and MEM	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:23
44	((multi adj chip adj module) and tile\$2) and mirror	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:33
	("4783695" "4835704" "4836435" "4878991" "4897153" "4930216" "4933042" "4984358"		
	"5094709" "5118027" "5161093" "5200810"	•	
	"5239191" "5324687" "5352629" "5353195"		
	"5353498" "5366906" "5455459" "5492586"		
23	"5497033" "5546654" "5703400").PN.	USPAT	12/20/02 11:30
2281	· · · · · · · · · · · · · · · · · · ·	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:33
	HDI and (micromirror adj array)	USPAT; US-PGPUB; IBM TDB	12/20/02 11:33
•	(multi adj chip adj module) and (micromirror adj	0017(1,001 01 0B, 1BM_1BB	12/20/02 11:00
3	array)	USPAT; US-PGPUB; IBM TDB	12/20/02 11:36
	(micromirror adj array) and tile\$2	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:37
			12/20/02 11:0:
	("3924937" "4073572" "4283116" "4653860"		
	"4676702" "5105369" "5227839" "5396891"		
12	"5448395" "5452024" "5473410" "5477304").PN.	USPAT	12/20/02 11:38
	micro adj mirror adj array	USPAT; US-PGPUB; IBM_TDB	12/20/02 11:40
	(micromirror adj array) near2 (manufactur\$3 or	_	
	fabricat\$4)	USPAT; US-PGPUB; IBM_TDB	12/20/02 14:15
	("4655547" "4866699" "5166818" "5255332"	-	
	"5305402" "5581643" "5671304" "5841917"		
	"5878177" "5960132" "5960133").PN	USPAT	12/20/02 14:04
430	sandstrom.in.	USPAT; US-PGPUB; IBM_TDB	12/20/02 14:53

35 sandstrom.in. and pixel ((spatial adj light adj modulator) adj (module or	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:59
6 array)) near3 (fabricat\$3 or manufactur\$3) ("3886310" "5212582" "5650881" "5661591"	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:09
7 "5719695" "5953153" "6271955").PN.	USPAT	12/20/02 15:03
38 5497033.URPN.	USPAT	12/20/02 15:12
0 (MEM adj module).ti.	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:12
0 (micromirror adj module).ti.	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:18
0 (micro-mirror adj module).ti.	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:18
16 (micro near2 module).ti.	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:19
3995 multi adj chip adj module	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:22
2458 micromirror or (micro adj mirror)	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:26
(multi adj chip adj module) and (micromirror or	001 7(1, 00 1 Cl OB, IBM_1BB	12/20/02 15.26
46 (micro adj mirror))	USPAT; US-PGPUB; IBM_TDB	10/00/00 45:07
((multi adj chip adj module) and (micromirror or	001 7(1, 00°1 OF OB, IBM_1DB	12/20/02 15:27
13 (micro adj mirror))) and yield	USPAT; US-PGPUB; IBM_TDB	12/20/02 15:27
(spatial adj light adj modulator) near3 (fabricat\$3 or	00. 7(1, 00 1 01 0B, 1BM_1BB	12/20/02 15.27
119 manufactur\$3)	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:10
((spatial adj light adj modulator) near3 (fabricat\$3 or	00.741,001.01.0D,10M_10B	12/20/02 10.10
6 manufactur\$3)) same modul\$3	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:13
((spatial adj light adj modulator) near3 (fabricat\$3 or	00.74., 00.1.01.0b, 1bM_1bb	12/20/02 10.13
0 manufactur\$3)) same defect\$3	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:14
0 (tile\$2 adj matrix) near3 mirror	USPAT; US-PGPUB; IBM TDB	12/20/02 16:14
71 tile\$2 adj matrix	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:14
7 tile\$2 same micromirror	USPAT; US-PGPUB; IBM_TDB	12/20/02 16:20
("5461501" "5661531" "5728591" "5742373"	COLVIT, CO-LOP OR IRM_LDB	12/20/02 16:21
"5796452" "5808710" "5838405" "5847784"		
10 "5847785" "5867236").PN.	USPAT	10/00/00 46:00
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